

From: Adam Molnar/ESC/R3/USEPA/US
Sent: 3/1/2012 4:25:59 PM
To: Eric Graybill/ESC/R3/USEPA/US@EPA
CC:
Subject: Fw: Ethylene Glycol technical help

Adam Molnar, Chemist
Environmental Science Center
701 Mapes Road
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----- Forwarded by Adam Molnar/ESC/R3/USEPA/US on 03/01/2012 04:25 PM -----

From: Troy Strock/DC/USEPA/US
To: Wayne Whipple/R5/USEPA/US@EPA
Cc: Stevie Wilding/ESC/R3/USEPA/US, R3 ESC-LTIG ORGANIC
Date: 01/11/2012 11:54 AM
Subject: Re: Ethylene Glycol technical help

The R6 lab was the leader on the aqueous direct inject alcohols / ethers analysis including propylene glycol for identifying the dispersant that was being dumped in the gulf.

I only briefly dabbled, so I would not be much help.

The attached word doc (from R6, which you probably already have) has an app note from Restek in it that describes aqueous ethylene glycol injection and ways to minimize chromatography problems.

Troy J Strock, chemist
US Environmental Protection Agency
Chicago Regional Lab

on detail to:
Waste Characterization Branch
Materials Recovery and Waste Management Division
Office of Resource Conservation and Recovery
1200 Pennsylvania Avenue, NW (MC-5304P)
Washington, D.C. 20460
office phone # 703.308.0744

From: Wayne Whipple/R5/USEPA/US
To: Stevie Wilding/ESC/R3/USEPA/US
Cc: R3 ESC-LTIG ORGANIC
Date: 01/11/2012 10:50 AM
Subject: Re: Ethylene Glycol technical help

We had modified analysis for them at superfund CLP using direct injection on a carbowax column. We were using mass spec but an FID should work also. Not sure how the detection limits compare but either way good luck with lower ppm range with that one. Troy will probably tell you about his propylene glycol work.

Wayne J. Whipple, Ph. D.
Chemist
US EPA R5 Chicago Regional Laboratory
536 S Clark Street

10th Floor
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From: Stevie Wilding/ESC/R3/USEPA/US
To: R3 ESC-LTIG ORGANIC
Date: 01/11/2012 07:54 AM
Subject: Ethylene Glycol technical help

Region 5 or 6 -- could you let Adam know how you are analyzing ethylene glycol.

----- Forwarded by Stevie Wilding/ESC/R3/USEPA/US on 01/11/2012 08:52 AM -----

From: Adam Molnar/ESC/R3/USEPA/US
To: Stevie Wilding/ESC/R3/USEPA/US
Cc: Cynthia Caporale/ESC/R3/USEPA/US@EPA
Date: 01/11/2012 08:33 AM
Subject: Region 6 help with Ethylene Glycol

Stevie,

It says in the Dimock summary that you or Cindy will contact R5 and R6 today. I would like to know if they have a working ethylene glycol analysis by GC-FID. If they are getting good results I'd like to have a contact to discuss what they are doing.

Are you planning a conference call today?

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